AUNG KYAW WIN

DATA SCIENTIST | ML ENGINEER | INTERNATIONAL TRADE RESEARCHER

Vientiane, Laos | akw9785@gmail.com | LinkedIn | GitHub | Portfolio Website

TECH STACK

- Programming Languages: Python, R, SQL
- Data Analytics Tools: PowerBI, SAP Analytics Cloud, Tableau, QGIS

PROFESSIONAL EXPERIENCE

The Water Agency Jun 2025 - Present

Data Analyst Associate

- Took ownership of a disorganized and manual LMS and website data system by building a Python Selenium automation tool to extract raw data from the website admin panel
- Designed a modular data pipeline in Python to clean, transform and generate standardized CSVs from inconsistent raw files, enabling seamless integration with Power BI
- Built a multi-page Power BI dashboard featuring 20+ KPIs, slicers, models, and advanced visuals, enabling dynamic filtering across time, demographics, and course performance indicators
- Delivered a fully automated reporting system where any team member can generate an updated dashboard by simply rerunning the Python script and refreshing the Power BI file, eliminating the repetitive manual work
- Reduced reporting turnaround time by over 80% by streamlinging manual data collection, cleaning, and dashboard refresh processes into a scalable, script-based system

Cassidy Levy Kent LLP, Washington D.C., USA Jun 2024 - Aug 2024

Data Science and International Trade Research Intern

- Conducted in-depth research on various HTS Codes and Tax laws
- Authored a comprehensive case study report on Section 301 tariffs focusing on semiconductors and EVs, providing detailed insights into the economic and legal impacts
- Contributed code to the development of programs used by the firm's data scientists to analyze production and financial data relevant for trade remedy cases improving efficiency and accuracy
- Automated data extraction from PDF Files using Python, converting and formatting extracted data into accessible formats streamlining data workflows reducing manual processing time and improving productivity

EDUCATION

Bard College | Parami University (Dual Degree Program)

Bachelor of Arts in Statistics and Data Science (SDS)

Aug 2022 - Jun 2026

- CGPA: 3.42
- Honors/Awards: Rising Generation Summer Internship 2024, Parami Undergraduate Scholar

PROJECTS

Candlestick Pattern Image Classifier - Python, PyTorch, Vision Transformers, Gradio
GitHub | Demo | Medium Article

- Developed a deep learning model to classify candlestick patterns from stock charts, automating traders' analysis.
- Used yfinance and pandas to collect data; created labeled images with mplfinance and scripts.
- Trained a Vision Transformer on a curated dataset, achieving high accuracy.
- Deployed a web app with Gradio on Hugging Face Spaces for real-time predictions.
- Gained insights on data quality, model simplicity, and deployment, making it accessible to traders and ML scientists.

Financial Tweet Sentiment Classifier – Python, Hugging Face Transformers, PyTorch, Gradio
GitHub | Demo | Medium Article

- Developed an NLP model for classifying financial tweet sentiment as bullish, bearish, or neutral.
- Used Hugging Face's cardiffnlp/twitter-roberta-base-sentiment-latest transformer for tokenization and fine-tuning, achieving high accuracy on new tweets.
- Automated data preprocessing with the Hugging Face Datasets library.
- Created and deployed a Gradio web app for real-time sentiment predictions.
- Published the model and demo on Hugging Face Hub for easy sharing.